

The Texas ELR Data System

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A Simplified Approach





▼ ELR Message Mechanics

Message Creation

Message Transport

Message Consumption





ELR Objectives

- ➤ Replace existing ELR capacities located within organization
- ➤ Consolidate
- > Provide efficiencies/enhancements
- ➤ PHIN-compliance strategy





Design Considerations

- **>** Modular
- ➤ Use of existing components
- ➤ Allow flexibility for future upgrades or enhancements (per each module)
- > Cost
- > Incorporation of Best Practices





Design Features

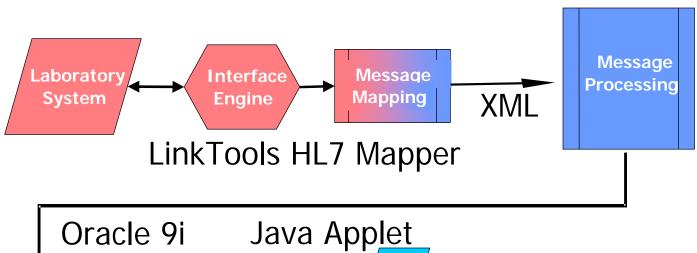
- ➤ Incoming data mapped to HL7 v2.3.1
- ➤ Use of NBS data model
- ➤ Output of data to legacy systems
 - ascii
 - .dbf
- ➤ Supports linking to NBS MSGIN for in-scope conditions

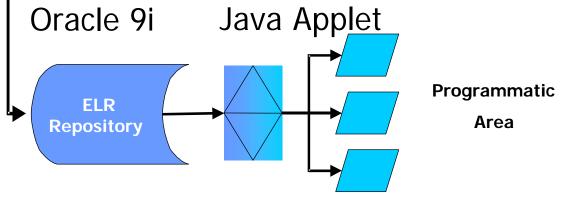




Electronic Laboratory Reporting

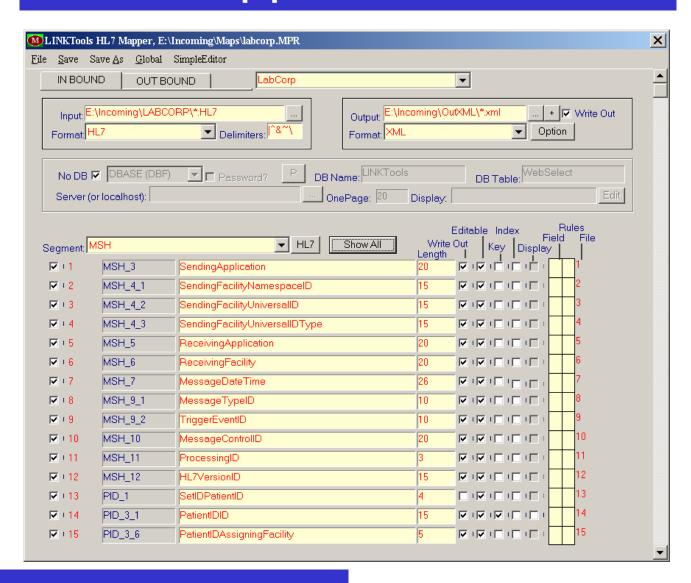
Message Services





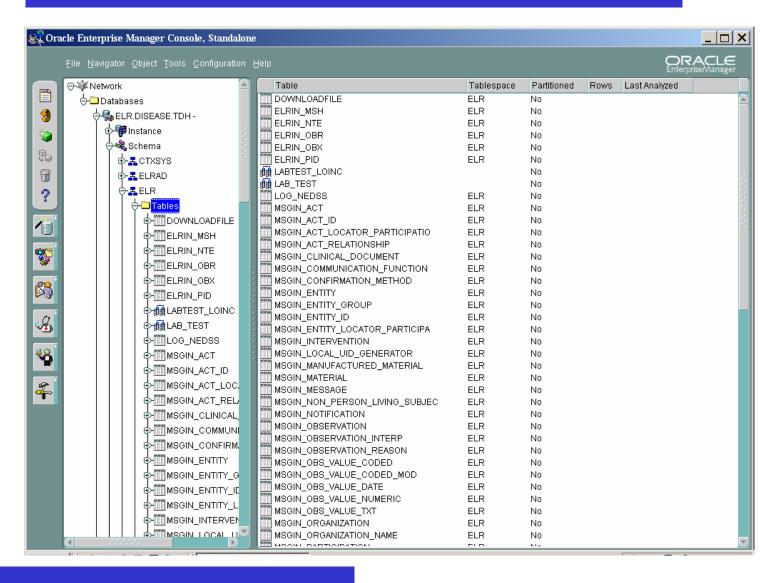


HL7 Mapper



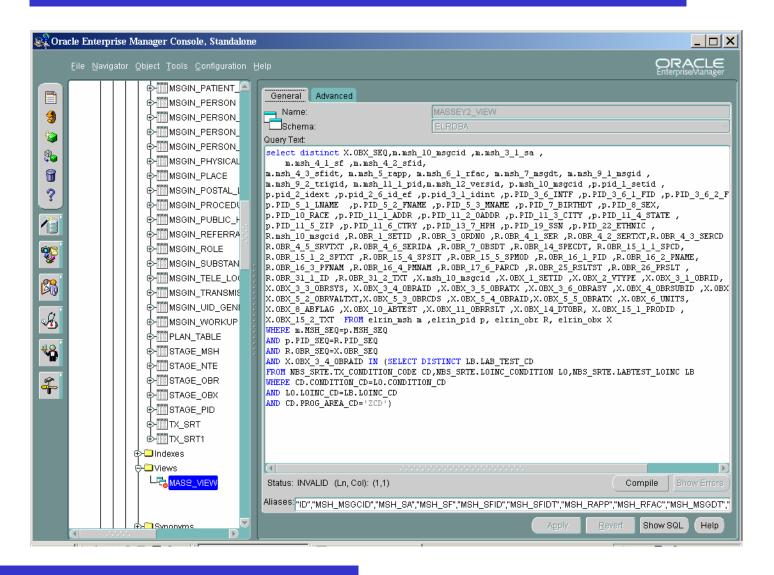


Processed to NBS Schema



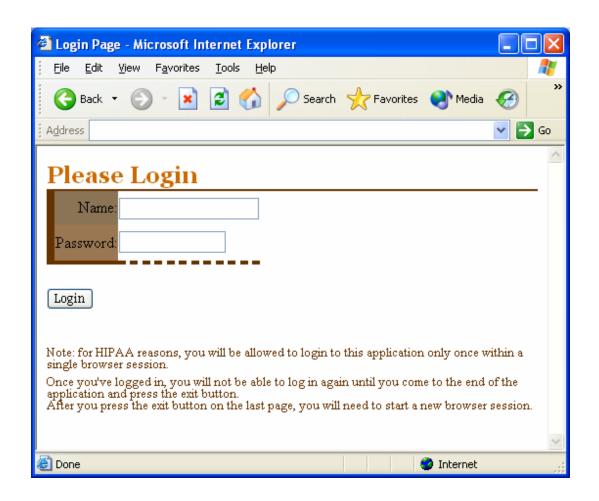


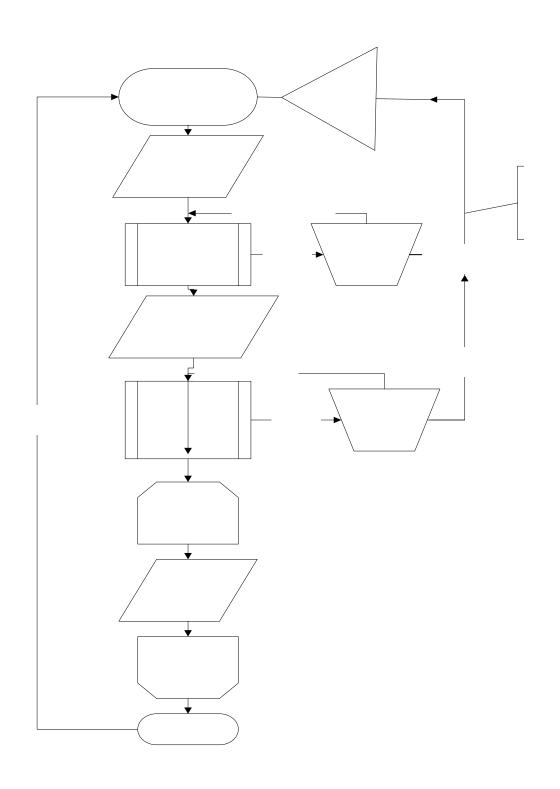
Procedures Within Oracle





Web-Enabled Data Access







Next Steps

- >PHIN MS
- > Transition to Production NBS
- ➤ More Labs
- ▶ Pathology
- ➤ Consideration for Clinical Data

